## (19) World Intellectual Property Organization International Bureau





## (43) International Publication Date 16 August 2001 (16.08.2001)

# **PCT**

## (10) International Publication Number WO 01/59594 A3

- (51) International Patent Classification?: 29/06
- H04L 12/24,
- (21) International Application Number: PCT/US01/02825
- (22) International Filing Date: 26 January 2001 (26.01.2001)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09/500,269

32909 (US).

8 February 2000 (08.02.2000) US

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM. HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

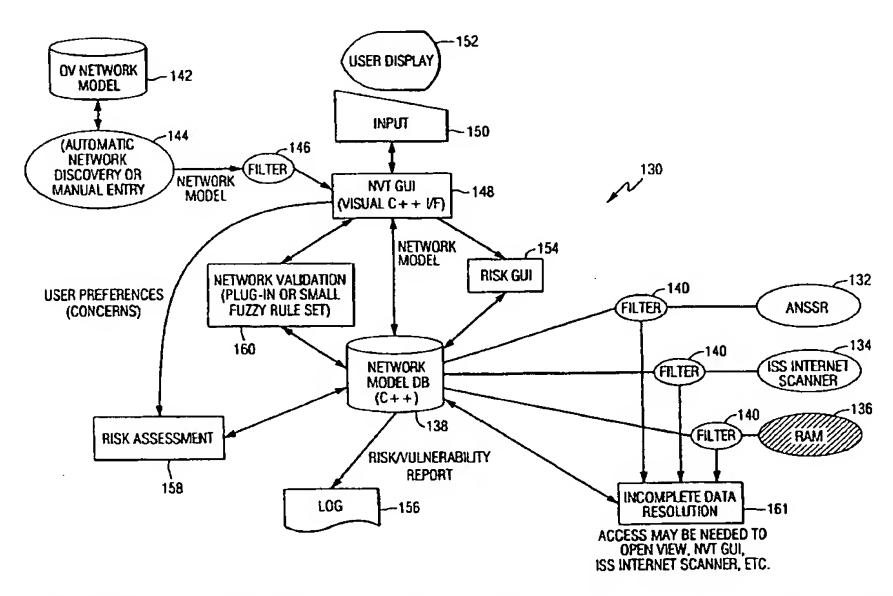
#### Published:

with international search report

(88) Date of publication of the international search report: 18 April 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD FOR ASSESSING THE SECURITY VULNERABILITY OF A NETWORK USING FUZZY LOGIC RULES



(57) Abstract: A method and data processing system assesses the security vulnerablity of a network. A system object model database is created and supports the information data requirements of disparate network vulnerability analysis programs. Only the required data from the system object model database representing the network is imported to the programs, which then analyze the network to produce data results from each program. These data resuls are stored in a common system model database and within the data fact base. Goal oriented fuszzy logic decision rules are applied to determine the vulnerability posture of the network.

